BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

ne of work: Estimate for Improvements to Roads and Drains at Hanuman Layout and achandrapura in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.

						Estimate Cost Rs.	2500000.00	
Description of item	**Unit**	**No**	**L**	**B**	**D**	**Qty**	**Rate**	**Amount**
KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 138 / Item No. 19.1 / PWD SR 2014-15**	Cum							
Desilting of Storm Water Drain		1	140.00	1.80	1.00	252.00		
CC Drain Hanuman layout		2	82.00	1.00	0.90	148.00		
						400.00	75.60	**30240.00**
Basic Rate	70.00							
Area Weightage @8%	5.60							
Total	**75.60**							
KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12/ Item No. 4.3/ PWD SR 2014-15**	Cum							
Desilting of Storm Water Drain		1	140.00	1.80	0.15	37.80		
CC Drain Hanuman layout		2	82.00	0.90	0.15	22.20		
						60.00	4847.04	**290822.00**
Basic Rate	4488.00							
Area Weightage @8%	359.04							
Total	**4847.04**							
KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface such as walls at any thickness**, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 15 / Item No. 4.31/ PWD SR 2014-15**	Sqm							
		1	140.00	2.85		398.00		
		2	140.00		0.25	70.00		
		2x4	82.00		0.75	492.00		
						960.00	292.68	**280973.00**
Basic Rate	271.00							
Area Weightage @ 8%	21.68							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
Total	**292.68**							
KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, **No. 13/ Item No. 4.11/ PWD SR 2014-15**	Cum							
Bottom Concrete		2	82.00	0.90	0.15	22.14		
Side Walls		2x2	82.00	0.15	0.60	29.52		
Covering Slab to SWD		1	138.00	2.35	0.23	74.34		
						126.00	6065.28	**764225.00**
Basic Rate	5616.00							
Area Weightage @ 8%	449.28							
Total	**6065.28**							
KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **TMT Bars FE 500 Page No. 17 / Item No. 4.46.2 / PWD SR 2014-15**	Tonne							
55 Kg / Cum		0.055	126.00			**6.93**	78351.84	**542978.00**
Basic Rate	72548.00							
Area Weightage @ 8%	5803.84							
Total	**78351.84**							
Providing and fixing precast RCC Slabs as per approved design, specification and direction of Engineer in chage (Approved Data Rate)	Sqm							
Hanuman Layout		2	82.00		0.90	147.60		
Existing Drain Covering Slab		1	236.00		0.90	212.40		
						360.00	1490.00	**536400.00**
Basic Rate	1490.00							

Description	Unit	No.	L	B	D	Qty	Rate	Amount
Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding oading and unloading. From 0.00 to 2.00 Km	Cum							
		Vide Item No. 1				**400.00**	73.57	**29428.00**
verage weight of earth 1.28 tonne / kg for .00X1.28X2.00 = 5.12	5.12							
WD SR 2014-15 (P.130 / I.17.1) For loading and nloading	63.00							
	68.12							
Area Weightage @ 8%	5.45							
Total	**73.57**							
ub Total								**2475066.00**
hird Party Inspection Charges @ 1%								**24751.00**
scellaneous and other Charges	L/S							**183.00**
							Total	**2500000.00**
(Rs. Twenty Five Lakhs Only)								

TIFICATE:

he work spot has been inspected and the work is found necessary.

his estimate is prepared as per PWD SR of 2014-15.

his work included under 2014-15 MLA Grant.

he provisions were made in this estimate are necessary and adequate.

his works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

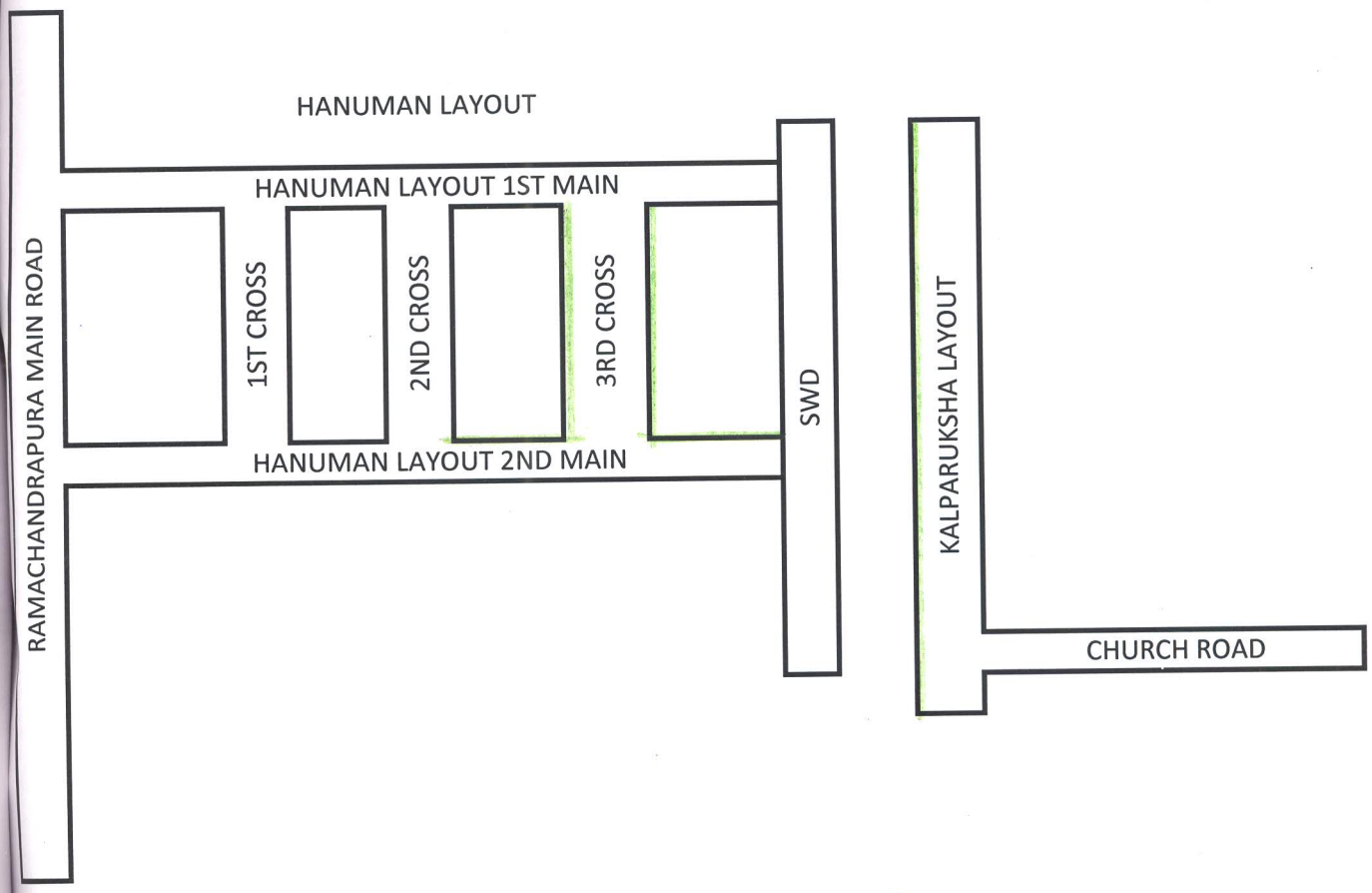
Administrative Approval
Accorded For Rs 25.00 lakh
Head of A/C
CER NO : 01 Dt: 19.08.15

TA CE (YNK)

Technical Sanction
Accorded For 25.00 lakh Rs
Head of A/C
CER NO : 04 Dt: 19.08.15

TA CE (YNK)

Name Of Work: Improvements to Roads and Drains at Hanuman Layout and Ramachandrapura in Ward No. 10 (Doddabommasandra) Vidyaranyapura Sub Division.



Index

→ proposed R.C.C drain and covering slabs

Jadhav
AE W-10

Assistant Executive Engg.
Vidyaranyapura Sub Division
BBMP, Bangalore - 97